



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**Pilot Truck Stop #242**  
**FID# 24932, Incident# 200705054**  
Leaking Underground Storage Tank Program

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**Background:**

On May 8, 2007, staff of the Indiana Department of Environmental Management (IDEM) received a release report for an underground storage tank at the Pilot Truck Stop #242, located at 1851 West 450 North, Shelbyville, Indiana. Approximately 7,500 gallons of diesel fuel was released due to a failure in the tank pump housing and sump. The release impacted the on-site ground water collection system, retention pond, and a storm water lift station. The lift station also allowed the product to be discharged to the nearby Hankins Creek, and impacting about 1.5 miles of the waterway with liquid phase hydrocarbon (LPH).

**Actions Taken:**

IDEM staff directed initial abatement measures to prevent further discharge of the LPH to Hankins Creek. Several locations were established with booms and adsorbent pads along the affected section of the creek to stop the flow of product and conduct collection activities. Free product collection also began on-site near the tank pit, and a skimmer unit was installed on the retention pond. In addition to the initial abatement measures several drinking water wells located near the creek were sampled to ensure that they had not been impacted by the release. The sampling was effective in documenting that the drinking water supplies had been protected by the emergency response activities.

Following the abatement measures, IDEM staff directed the owner to conduct an initial site characterization (ISC) and two additional rounds of further site investigations (FSI) to determine the nature and extent of the contamination. These investigations successfully characterized the release and provided information for potential remedial approaches.

IDEM approved a corrective action plan. The system continues to collect LPH and treat the groundwater plume at the site. The remediation system effectively prevents the plume from leaving the site boundaries and potentially impacting the down gradient off-site properties or surface water.

**Environmental Impacts:**

Surface water, ground water and soil were impacted by the release. Surface water impacts represented the greatest threat to human health and the environment particularly to aquatic plants and animals as well as waterfowl. In addition, downstream water users for drinking water and recreational use were at risk as well.

**Next Steps:**

IDEM staff will continue to conduct oversight, including regular site visits, and coordinate with the responsible party and the environmental consultant to ensure timely and effective compliance with completing the cleanup to acceptable risk-based levels.

## **More Information:**

### **Environmental Issues - Sampling, Gasoline Spills, and Cleanup**

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**IDEM Virtual File Cabinet** - To view public records for this site, visit IDEM's Virtual File Cabinet at [www.idem.IN.gov/6551.htm](http://www.idem.IN.gov/6551.htm), click on Document Search, enter the index as "FID", and enter the Value "24932".

**IDEM UST Branch Information** - For general information and links to additional resources, visit IDEM's Underground Storage Tanks Web page at [www.idem.IN.gov/4999.htm](http://www.idem.IN.gov/4999.htm) and IDEM's Leaking Underground Storage Tanks Web page at [www.idem.IN.gov/4997.htm](http://www.idem.IN.gov/4997.htm).